Condo Daily Report 9-9-21

Tuesday

* CloudFormation
  + Started off working in cloud formation
    - Started working on the s3 bucket implementation
    - Looked at the sketch I had on the board to correlate the necessary fields
    - Created the parameters for the dynamic fields
    - Made exports for the buckets name for reference
    - Got stuck on the bucket name formatting
      * This is troublesome because the bucket names are only allowed to be lowercase with dashes
      * Decided to use the AllowedPattern: option in the parameters field
      * The problem is AllowedPattern takes a regex value that is formatted in a very specific way
      * I first attempted my own regex which had the correct regex structure but my rules were off due to the version of regex
      * I used a regex translator but it was the wrong version of regex
      * Looked up the documentation on cloudformation and regex
        + Went into several streams to find that it uses this version of regex : [CLICK ME](https://docs.oracle.com/javase/6/docs/api/java/util/regex/Pattern.html)
      * Took some time and learned it and formatted a structure that asserted that it was at least one character long
    - Finished the stack
  + Appended the bucket stack to the app stack as a nested stack
    - Posted the stack to the s3 bucket for reference
    - The app stack wouldn’t launch because I forgot to post the changes for the instance stack to the s3 bucket
    - Once I did the app stack launched
* CD Module AWS
  + Learned about the values of continuous deployment over continuous delivery
    - In large scale companies the last automation step with automated rollback utilizing a cloudnative structure will be exponentially cheaper
    - A couple of different methods of integration of cd
      * Green/blue
        + A CD implementation that utilizes two environments

The changes are made first in the blue environment(dev)

Once they are approved they copy the state and change of the blue to the green to do a whole change at once

This method is useful and can utilize rollback and versioning to combat error

* + - * Canary and continuous implementation
        + This is a helpful CD method that only allows a couple people access to the new version of software
        + The people trickle in a little at a time, so if it breaks only a small number are affected and the mass is still operating as usual
        + Its like beta testing a videogame
    - Cool cycles were presented that are useful for an aws model CD pipeline using codebuild, code deploy and codepipeline
* Kayce (snowflake & Fivetran)
  + Walked through what kayce does in fivetran
    - Connectors
    - Health monitoring
    - Api
    - Postman
    - Cost monitoring
  + Walked through snowflake
    - Query monitoring
    - Health monitoring
    - Looking for helpful integration
      * Increase productivity
      * Decrease spending
    - Showed me separate environments for query and connetors
* Excel help
  + Helped amy with her excel problems
    - The data she would copy paste would come up weird
      * Diagnosed that he data type changed in transition from a string literal to a number
      * That helped amy and fixed the problem
* Call with holly
  + Call with holly resulted in her saying that she is working hard to solve the okta problems
    - Looking for the values